

January 25, 2002

USCG Training Center
599 Tomales Road
Petaluma, CA
1TSO140-Tank Site G-3

Notice of Proposed No Further Action Related to Petroleum Hydrocarbon Discharge.
Comment period ends March 1, 2002.

Problem Description: The U.S. Coast Guard Training Center (TRACEN) is located in an 804 acre land parcel 10 miles west of the City of Petaluma, in the unincorporated community of Two Rock. On March 26, 1992 one 5,000-gallon gasoline tank (G-3) and associated piping was removed from the subject site. Laboratory analysis of soil samples collected from the excavation pit revealed concentrations of toluene up to 3.6 parts per million (ppm), xylenes up to 7.0 ppm, and total lead up to 5.4 ppm. Laboratory analysis of groundwater samples collected from the excavation pit indicated concentrations of total petroleum hydrocarbons as gasoline (TPH-g) up to 1,300 parts per billion (ppb), benzene up to 10 ppb, toluene up to 9.8 ppb, ethylbenzene up to 3.2 ppb, xylenes up to 71 ppb, and total lead up to 64 ppb.

Interim Actions Completed: In November 1994, monitoring well TS-2 was drilled approximately 10-feet down slope from the previously excavated underground storage tank. Laboratory analysis of the soil sample collected from TS-2 indicated concentrations of TPH-g, BTEX, and total lead were below laboratory detection limits. A groundwater sample was collected from monitoring well TS-2 on November 30, 1994. Laboratory results of the groundwater sample were below laboratory detection limits for all constituents of concern.

Following the November 1994 groundwater sampling, four quarterly groundwater samples were collected and analyzed for TPH-g and BTEX. TPH-g was detected in all samples with detections ranging from 100 to 300 ppb. BTEX was reported below detection limits for the February and May 1995 events. The September 1995 sampling event revealed concentrations of TPH-g at 61 ppb, benzene at 68 ppb, toluene at 20 ppb, ethylbenzene at 4 ppb, and xylenes at 19 ppb. The November 1995 groundwater sampling results were below laboratory detection limits for all constituents of concern.

Groundwater sampling and monitoring was reduced to annual sampling following the November 1995 sampling event. The most recent groundwater sample was collected in December 2000. Toluene, ethylbenzene, and xylenes were reported below detection limits and benzene was detected at 0.9 ppb. MtBE was added to the groundwater monitoring and analysis requirements in 1997.

MTBE Status: No MTBE has been detected in groundwater.

Proposed Action: No further action related to the petroleum discharges from the underground tank is proposed.

Case closure with no further action will be completed without further notice unless significant public comment is received prior to March 1, 2002. Please contact Daniel Warner at (707) 576-2671 or warnd@rbl.swrcb.ca.gov with any questions or comments.